

UV CURING MODULE FOR LABEL PRINTER

CROSS-REFERENCE TO RELATED APPLICATION

This application claims the benefit of U.S. Provisional Application No. 60/287,842 filed May 1, 2001 and U.S. Provisional Application No. 60/283,113 filed
5 April 11, 2001.

OK to enter
CTN
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BACKGROUND

Technical Field

The disclosure relates generally to a UV curing device for use with a label printer and is specifically directed to a label applicator or label rewinder with
10 integrated ultraviolet (UV) curing functionality.

Description of the Related Art

UV curing of printed images is normally associated with gravure, offset, screen or flexo-graphic printing processes and equipment.

The inventors are unaware of the previous application of integrated
15 UV curing capability with a label applicator.

On demand printing, unlike the previous above listed printing processes provides a custom label or rolls of, for example, sequentially numbered labels on demand. With the capability of printing near or at the point of use, on demand printers are often used to provide unique labels for application in high
20 abrasion and or chemical environments, for example in the engine compartment of automobiles. Some previous on demand printers for these applications have used protective over coverings and or labels having a layered structure. These solutions have added media and machine complexity and overall increased materials costs.